

Abstract Of The Disclosure

An ultrasonic flow sensor is used in particular for measuring the volumetric or mass flow of a fluid in a pipe. The sensor includes at least one ultrasonic transducer which is capable of emitting and receiving ultrasonic signals. An ultrasonic flow sensor, having in particular a 5 simple and cost-effective construction and which functions according to the principle of beam drift, includes an array of a plurality of ultrasonic transducers which is positioned on one side of the pipe, a reflective surface lying opposite the array on which the emitted ultrasonic signals are reflected, and a receiver electronic system which evaluates the ultrasonic signal received from the ultrasonic transducers.